

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE



LISTING No. 7170-1657:187

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CATEGORY: Control Unit (High-Rise)

LISTEE: GE Security, Inc., 8985 Town Center Parkway, Bradenton, FL 34202
Contact: Jewell Micochero (941) 739-4358 FAX (941) 308-8123

DESIGN: Models EST3, EST3R, EST3-230, EST3R-230, EST200, EST200R, EST200-2 and EST200R-2 fire alarm control units. Power limited. Automatic, manual, coded, noncoded, local, auxiliary, remote station, (DACT),(reverse polarity), proprietary (multiplex), central station, waterflow and sprinkler supervisory service. Model EST3 is also suitable for smoke control. Refer to listee's data sheet for additional detailed product description and operational considerations. System components:

3-BPS/M, 3-BPS/M/230	Booster Power Supply
3-PPS/M, 3-PPS/M-230	Primary Power Supply
3-BBC/M, 3-BBC/M-230	Battery Booster Charger Power Supply
3-RS232	CPU RS232 Comm
3-XMEM	CPU Memory Option
3-IDC8/4	Zone Card
3-CPU, 3-CPU1, 3-CPU2, 3-CPU3	Central Processing Unit
3-LCD, 3-LCDXL	CPU LCD Display
3-OPS	Off Premises Signaling Module
3-LDSM	LED Display Module
3-LRMF	Blank LRM Filler
3-CHAS4, -CHAS-5, -CHAS-7	Module Chassis
3-CAB-5(R),-7(R),-14(R),-21(R)	Module Cabinet (red)
3-TAMP, 3-TAMP5	Tamper Switch
3-RCC7(R),-RCC14(R),-RCC21(R)	Closet Cabinet (red)
3-PSMON	Power Supply Drive Monitor
3-BPMON	Power Supply Booster Monitor
3-BBCMON	Battery Booster Charger Monitor
3-24G,-24R,-24Y,-12RY,-12SY,-12SR,-12SG	LED Display
3-12/RY,-12/2Y,-12/2S2Y,-12/S1GY	LED Display
3-12/S1RY,-18S1G2Y,-6/3S1G2Y	LED Display
3-6/3S1GYR,-18S1GYR,-6/3S3L	LED Display
3-CAB5BR	Enclosure
3-SSDC, 3-SSDC1, 3-SDDC1	Single Loop Controller Module
3-SDC, 3-SDC1	Signature Data Card
3-ASU, 3-ASUMX/100	Audio Source Module
3-FTCU	Firefighter Phone Module
3-ASU/FT	Audio/Firefighter Module
3-ZA30, 3-ZA15	Amplifier
3-RS485(130316/130410-01)	Network Communication Card
3-RS485A, 3-RS485B, 3-RS485R	Network Communication Card
3-DSDC, 3DSDC1	Dual Loop Controller Module
3-FIB, 3-FIBA	Fiber/Copper Data Com Module
3-FIBMB	Fiber Optic Interface Card

CDR-3	Coded Output Module
3-AADC, 3-AADC1	Analog Addressable Communication Module
3-ATPINT	ATPC Interface Module
3-REMICA, 3-REMICP	Remote Microphone
PT1-S	System Printer
PT1-P	System Printer Parallel
3-ZA90, 3-ZA20A, 3-ZA20B	Zone Amplifiers
3-ZA-40A, 3-ZA40B, 3-ZA95	Zone Amplifiers
ATCK	Attack Kit Cover for 3-RCC7R cabinet
3-MODCOM, 3-MODCOMP	Modem communicator/pager interface
3-NSHM1, 3-NSHM2	Modem Communication Cards
3-SAC	Security Access Control Module
3-ASUXM/100	Audio and Telephone Masters

RATING: EST3, EST3R, EST200, EST200-2, EST200R, EST200R-2: 120 VAC
EST3-230, EST3R-230: 220 VAC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.

APPROVAL: Listed as fire alarm control units suitable for high-rise applications when used in conjunction with separately listed electrically and functionally compatible initiating and indicating devices. Model EST is also suitable for smoke control. Refer to listee's Installation Instructions Manual for details.

These control units can generate a distinctive three-pulse Temporal Pattern Fire Alarm Evacuation Signal (for total evacuation) in accordance with NFPA 72, 2002 Edition.

This control unit meets the requirements of UL-864, 8th Edition Standard.

- NOTE:**
1. For **Fire Alarm Verification Feature** (delay of fire alarm signal), the maximum Retard/Reset/Restart period shall not exceed 30 seconds.
 2. Formerly 7170-1591:187 and 7170-1388:212

08-17-05



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 9, 2008**

*Listing Expires **June 30, 2009***

Authorized By: **BEN HO, Chief**
Fire Engineering Division